IN THE CLAIMS

1 (currently amended): A system for handling data requests from mobile devices, the system comprising:

a memory operable to store data requests received from at least one mobile device;

a state prediction module operable to access the memory and predict a first forecasted data request for a mobile device based on the stored data requests; and

a push module operable to receive the first forecasted data request from the state prediction module and in response request and receive first response data related to the first forecasted data request and ~~prepare~~ push the first response data ~~for transmission~~ to the mobile device over a wireless network, the pushing being performed on a periodic basis and independent of receiving a data request from the mobile device.

2-6 (canceled)

7 (currently amended): The system of claim ~~5~~ 1, wherein the state prediction module is ~~further~~ operable to select prediction modes according to the identified subset of stored data.

8 (original): The system of claim 7, wherein the prediction modes comprise:

an atomic mode that operates on stored data requests specific to the identity of the mobile device;

and a group mode that operates on stored data requests specific to a plurality of mobile devices.

9 (currently amended): The system of claim ~~5~~ 1, wherein the state prediction module ~~comprises a Markov chain module~~ is operable to predict the first ~~and second~~ forecasted data ~~requests~~ request based on a Markov chain model.

10-20 (canceled)

21 (new): A method for use with a communication device by which a user requests data from a server via a network and receives the requested data from the server via the network, the method comprising the following steps in the following order:

predicting, by the server, what data the user will request, based on historical requests for the data;

pushing, by the server, the data to the device without the user or the device first requesting the data;

storing, by the device, the data until the data is requested by the user; and

presenting, by the device, the stored data to the user if and when the user requests the data.

22 (new): The method of claim 21 further comprising, after the presenting step:

sending, by the device to the server, an indication of whether the user requested the stored data.

23 (new): The method of claim 21 further comprising, before the pushing step:

assessing the cost effectiveness of pushing the data to the device without having first received a request for the data from the user.

24 (new): The method of claim 21 wherein, in the storing step, the data is stored along with an indication of when the data should be updated.

25 (new): The method of claim 21 wherein the predicting step predicts the data being requested at a particular time of day, and the pushing step is performed in response to that time of day arriving and not in response to receiving a request from the user.

26 (new): The method of claim 21 wherein the network includes the Internet.

27 (new): The method of claim 21 wherein the data comprises a web page.

28 (new): The method of claim 21 wherein the communication device is a mobile device.

29 (new): A method for use with a communication device by which a user requests data from a server via a network and receives the requested data from the server via the network, the method comprising the following steps in the following order:

predicting, by the server, what data the user will request, based on historical requests for the data;

sending, by the server to the device, the data to the device;

storing, by the device, the data until the data is requested by the user;

presenting, by the device, the stored data to the user if and when the user requests the data; and

informing the server, by the device, whether the user requested the stored data.

30 (new): The method of claim 29 wherein the predicting step is performed based on a stored list of web pages and their respective assigned probabilities of being requested by the user, and the method further includes:

in response to receiving an notification that the user did not request the stored data, lowering the assigned probability for the stored data's web page.

31 (new): The method of claim 29 wherein the predicting step takes into account the cost effectiveness of pushing the data in determining which data to send in the sending step.

32 (new): A method for use with a communication device by which a user requests data from a server via a network and receives the requested data from the server via the network, the method comprising the following steps in the following order:

predicting, by the server, that a user will request particular data at a particular time of day, based on historical requests for the data;

sending, by the server, the data to the device in response to arrival of the time of day;

storing, by the device, the data until the data is requested by the user; and

presenting, by the device, the stored data to the user if and when the user requests the data.

33 (new): The method of claim 32 further comprising repeating the sending and storing steps periodically.

34 (new): A method for use with a communication device by which a user requests data from a server via a network and receives the requested data from the server via the network, the method comprising the following steps in the following order:

predicting, by the server, what data the user will request, based on historical requests for the data;

assessing, by the server, the cost effectiveness of pushing the data to the device without first receiving a request from the user for the data;

sending, by the server to the device, the data to the device;

storing, by the device, the data until the data is requested by the user; and

presenting, by the device, the stored data to the user if and when the user requests the data.

35 (new): The system of claim 9 wherein the Markov chain model is based on a historic states pattern.

36 (new): The system of claim 9 wherein the Markov chain model is based on a maximum number of information units that is time and/or price efficient to direct to the mobile device during one push.